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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/805,299	03/12/2001	Virginia L. Robbins	42390P10446	2107
8791	7590 03/23/2006		EXAMINER	
	SOKOLOFF TAYLO	KLIMACH, PAULA W		
SEVENTH I	SHIRE BOULEVARD FLOOR		ART UNIT	PAPER NUMBER
LOS ANGE	LES, CA 90025-1030	2135		
			DATE MAILED: 03/23/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/805,299	ROBBINS ET AL.				
Office Action Summary	Examiner	Art Unit				
	Paula W. Klimach	2135				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION  16(a). In no event, however, may a reply be tim  rill apply and will expire SIX (6) MONTHS from  cause the application to become ABANDONEL	N. sely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 29 De	ecember 2005.					
, ,	action is non-final.					
3) Since this application is in condition for allowar	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	i3 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-3,7-11 and 17-21</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-3,7-11 and 17-21</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the prior	•	ed in this National Stage				
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  Paper No(s)/Mail Date  Notice of Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Notice of Informal Patent Application (PTO-152)						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date  5) Notice of Informal Patent Application (PTO-152)  6) Other:						

#### **DETAILED ACTION**

### Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/29/05 has been entered.

## Response to Arguments

Applicant's arguments filed 12/29/05 have been fully considered but they are not persuasive because of following reasons.

The applicant argued that Slavin does not disclose the limitations of claim 1. This is not found persuasive. In the combination of Slavin Leppek and Kousa, Leppek discloses each of the plurality of individual decryption processes is different from one another and each different individual decryption process to decrypt an encrypted content differently from one another;...each of said plurality of individual encryption process is different form one another and each different individual encryption process to encryption the content different form one another. This is due to the fact that the decryption and encryption processes created by the system of Leppek are generated randomly using the key. Since the key is random and therefore the operation chosen are random, then the encryption and decryption processes are different.

The applicant argued that the decryption process and the encryption process does not change. This is not found persuasive since the key that is used to generate the encryption process

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and the decryption process is a random number and therefore changes in a manner that cannot be determined.

The examiner asserts that the combination of Slavin, Leppek, and Kousa do teach or suggest the subject matter broadly recited in independent Claims 1, 7, and 17. Dependent Claims 2-3, 8-11, and 18-21 are also rejected at least by virtue of their dependency on independent claims and by other reason set forth in this office action. Accordingly, rejections for claims 1-3, 7-11, and 18-21 are respectfully maintained.

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-3, 7-11, and 17-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Slavin (5,956,407) in view of Leppek (5,933,501) and further in view of Kousa (4,797,672).

In reference to claim 1, 7, 17, and 21, regarding the decryption generating section coupled to the key generating section and a main decryption section, the decryption generating section generating a plurality of individual decryption processes based on the main decryption section and the plurality of individual keys. The monitors disclosed by Slavin generate a plurality of individual decryption processes that are based on the main decryption section. The individual processes use the values of p2 and or q2 that were provided to the monitor to decrypt and therefore eavesdrop on the transmitted information. The receiver calculates and publishes

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the different decryption processes En used by the monitor, which are based on the main decryption section's public and private keys (Fig. 2 and Fig. 3).

Regarding each of the plurality of individual decryption processes being different from one another, although Slavin discloses a system that creates a decoding key as a function of the prime factors used to create the encoding key (column 6 lines 31-34), Slavin does not expressly disclose individual decryption processes that are different form one another.

Leppek disclose a system that combines a selected plurality of different encryption operators stored in an encryption operator database into a compound sequence of encryption operators (abstract). Therefore Leppek discloses a system that generates a plurality of individual decryption processes wherein each decryption process is different from one another (column 4 lines 33-67). The system uses one key in conjunction with only a one of the plurality of decryption processes (Fig. 3). An encryption generating section coupled to the key generating section and a main encryption section, the encryption generation generating section to generate a plurality of individual encryption process based on the main encryption section and the plurality of individual keys, each of said plurality of individual encryption process is different from one another and each different individual encryption process to encrypt a content differently from one another (part 140 and 170 Fig. 2); a main decryption section, the main decryption section using the main key to decrypt content, and one of the plurality of encryption process can encrypt content to be decrypted by the main decryption section and the main key (part 100 Fig. 2 and Fig. 3).

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to add a system for creating a plurality of encryption sequences as in the system of

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Leppek to system of creating a plurality of keys of Slavin. One of ordinary skill in the art would have been motivated to do this because it would scramble the data stream having no readily discernible encryption 'footprint' (column 2 lines 25-38).

Regarding the main encryption section, the main encryption section using the main key to encrypt content. The sender encrypts the message using Eun.

Slavin does not disclose the different parts disclosed above as belonging in the same circuit. At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to create a system that receives and transmits therefore including all the parts as disclosed above in the same circuit. One of ordinary skill in the art would have been motivated to do this because it would secure the transmitted information as well as the information that is received by synchronizing the distribution of key.

Although Slavin discloses a key generation section that generates section to generate a plurality of individual keys based on a main key each based on a main key and different from one another, Slavin does not disclose only one of the plurality of individual keys is used in the decryption processes.

Kousa discloses a system that generates a plurality of keys from a master key (seed) wherein only one of the plurality of individual keys is used in conjunction with only one decryption processes (column 4 lines 30-53).

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to generate a plurality of keys from a master key and use it with one decryption process as in Kousa in the system of Slavin. One of ordinary skill in the art would have been

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motivated to do this because it provides increased security from unauthorized access by others (Kousa column 6 lines 60-67).

In reference to claims 2, 8, 18, wherein each of the plurality of individual decryption processes each use a selected one of the plurality of individual keys. Fig. 2 discloses the monitor only being provided with p2, which is used to calculate the key and then decrypt that data.

In reference to claims 3, 9, wherein the plurality of individual decryption processes decrypt the content from the cypher-content by using the plurality of individual keys. Column 4 line 40 discloses providing the monitor with p2 and q2. Since two keys that depend on the main key are provided, this number could be increased to more.

In reference to claims 10 and 19, wherein the encrypting generates cipher content from the content (Fig. 5).

In reference to claims 11 and 20, wherein the plurality of individual decryption processes decrypt the content form the cipher-content by using the plurality of individual keys (Fig. 5 section describing the activity of the monitor).

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paula W. Klimach whose telephone number is (571) 272-3854. The examiner can normally be reached on Mon to Thr 9:30 a.m to 5:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on (571) 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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princy Examiner

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PWK Monday, March 20, 2006

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